

Summer Datathon

presented by
broadstreet

Welcome + Housekeeping

- **Recording** Parts of this session will be recorded. Participants may opt out.
- **Participants.** Feel free to chat anytime within Zoom Room + Video during team session
- **Google Sheets** will be used (for those on secure work computers)

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MASSACHUSETTS
COLLEGE *of* PHARMACY
and HEALTH SCIENCES

Agenda

TIME	SESSION	ROOM(s)	
10:00 - 10:20 AM ET	<i>Opening Ceremony</i>	Main Room	👉 You are here
10:30 - 12:00 PM ET	<i>Morning Team Project</i>	Great Hall → Team Rooms	
12:00 - 12:30 PM ET	<i>LUNCH</i>	BRB Room	
12:30 - 1:30 PM ET	<i>"Pitch" Feedback on Morning Project</i>	Team Rooms → Bracket Rooms	
1:30 - 2:30 PM ET	<i>Big BREAK</i>	BRB Room	
2:00 - 3:00 PM ET	<i>Afternoon Portfolio Project</i>	Great Hall	
3:10 - 3:20 PM ET	<i>Closing Ceremony Showcase & Awards</i>	Main Room	
3:20 - 3:30 PM ET	<i>Closing Activity</i>	Main Room	

Summer Datathon

Help us get to know you!

IN THE CHAT, TELL US:

1. Your name
2. Where you are in the world
3. What field you work in/hope to work in



Summer Datathon

July 28, 2023

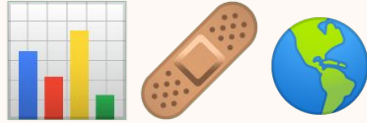
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Thank You!

Participants, Planning Team, & Sponsors






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Good Data heals the world

Our Vision

We envision a  world where everyone working to improve  community health has access to the best  information possible.

Our Mission

Empower ❤️ community health
changemakers through training in
 data and  leadership.



That's why we are here



Data is for everyone



Our 3 Goals Today

1

Share the Joy of Data

Community indicators are everywhere! Let's go on a data hunt!

2

Build Practical Skills

Foundational data skills for making the case with data for grant-writing, health assessments, etc.

3

Connect with Each other

Creating connections with others is the most important things we can do.

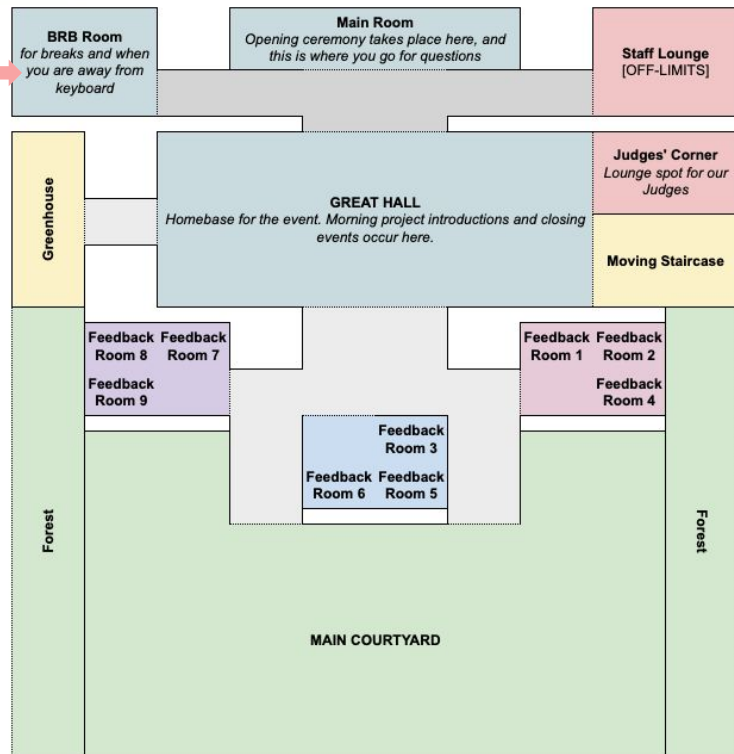
Meet our Helpers



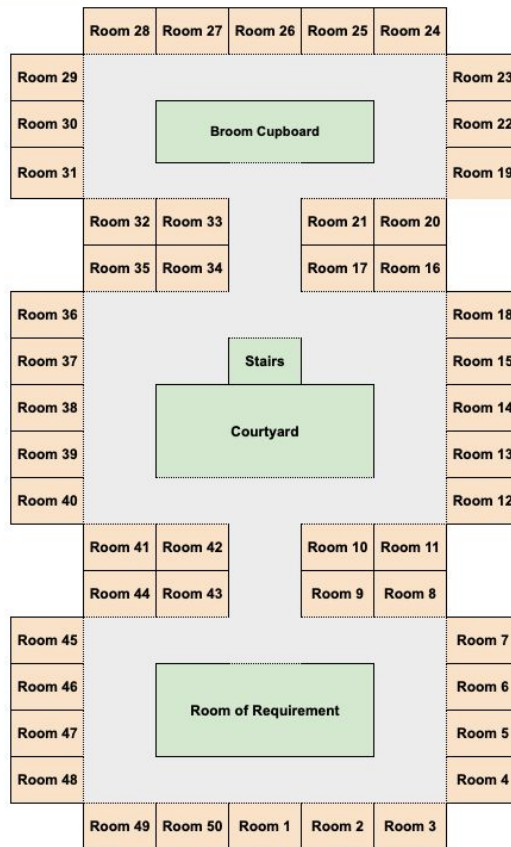
+ Loads more behind the scenes!

Map

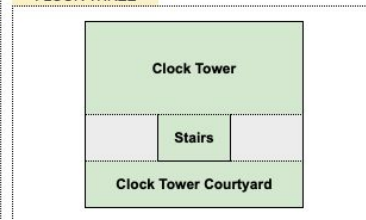
FLOOR ONE



FLOOR TWO

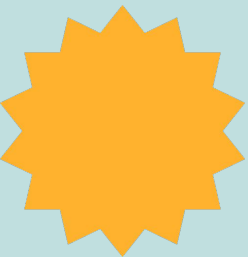


FLOOR THREE



Breakout Rooms

Please go to BRB room during breaks or if you are away from keyboard



10 min Break

Please proceed to
BRB Room
Then the Great Hall



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The Data Challenge

July 28, 2023

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Morning Session

Housekeeping

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Morning Team Project

TIME	SESSION	Location	Resources
10:30 - 10:35 PM ET	<i>Participants Fill in Check In Survey</i>	Great Hall	<u>CheckIn Survey</u>
10:35 - 10:50 PM ET	Topic Reveal + Intro to Data Stories	Great Hall	
10:50 - 11:00 PM ET	<i>Walk through of task + team assignment</i>	Great Hall	
11:00 - 11:50 PM ET 50 min	<i>Collaborative Team Data Hunt for a State (2 indicators per person)</i>	Team Rooms	
11:50 - 12:00 PM ET	<i>Return to Great Hall to Learn about Feedback Pitch</i>	Great Hall	
12:00 - 12:30 PM ET	LUNCH BREAK	BRB Room	
12:30 - 12:45 PM ET 15 min	<i>Pitch Prep</i>	Team Rooms	
12:45 - 1:30 PM ET	<i>Pitch Rounds x 3</i>	Feedback Rms	

The Data Challenge

July 28, 2023

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Finding Data-Guided
Solutions to

Pregnancy- Related Deaths

In the U.S.



*Dedicated to
Christine*

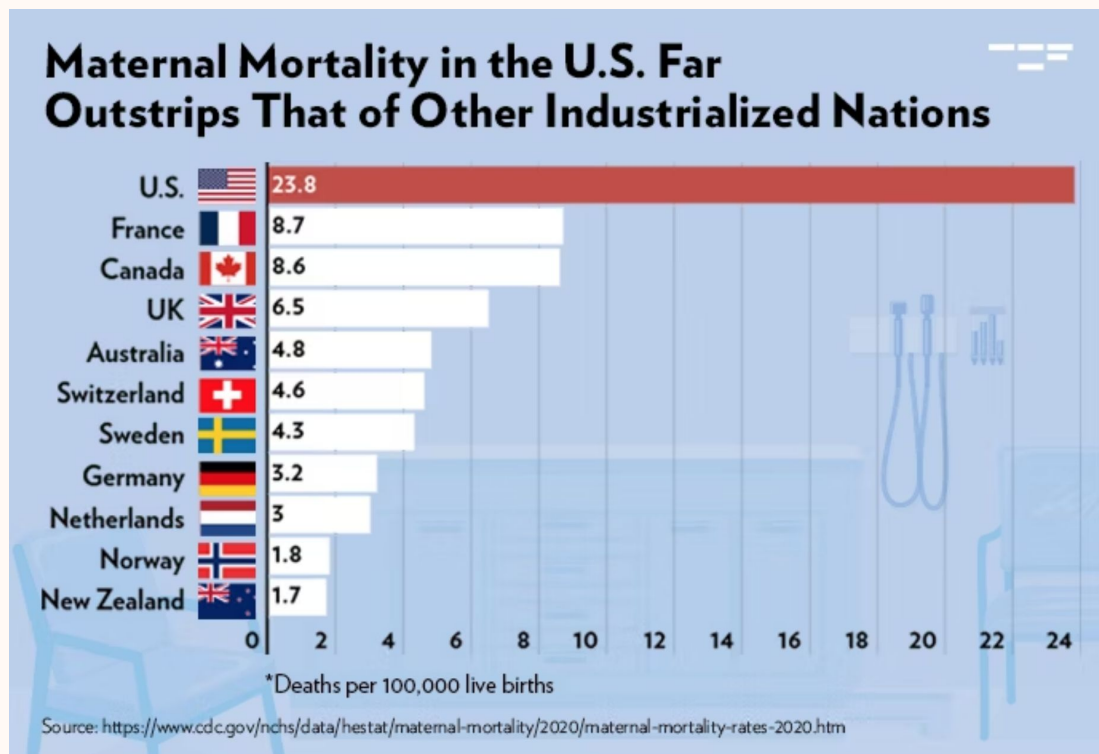
Community Data Project Group Challenge:

We have 3-hrs to pitch a 5-sentence funding proposal
for reducing **pregnancy-related deaths** in
your team's state.

Can data guide us to opportunities?

Safe Pregnancies are Important

The Worsening U.S. Maternal Health Crisis in Three Graphs by Century Foundation



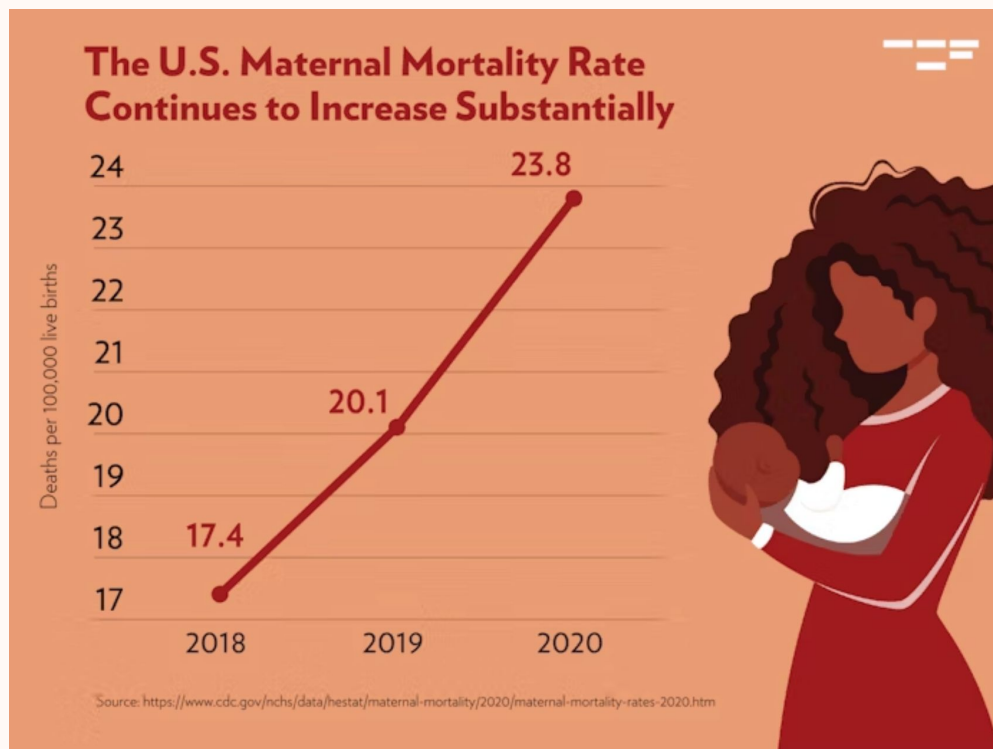
Safe Pregnancies are Important

The Worsening U.S. Maternal Health Crisis in Three Graphs by Century Foundation

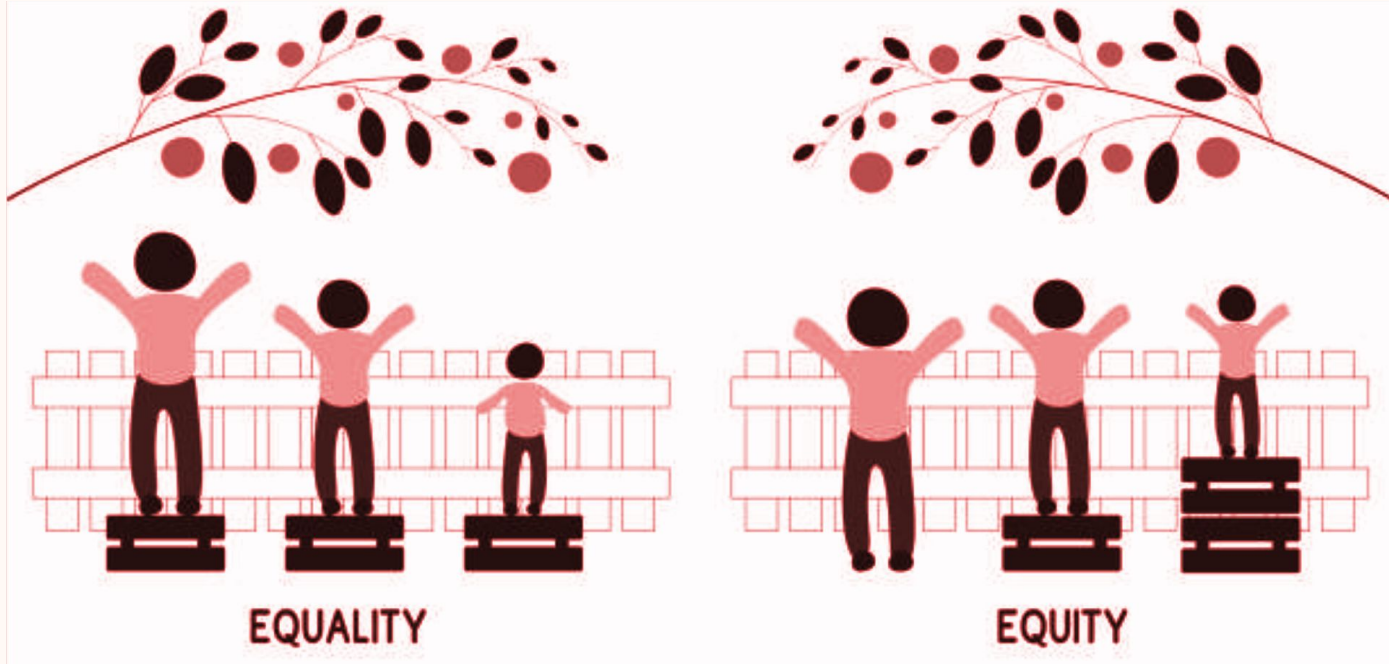


Safe Pregnancies are Important

The Worsening U.S. Maternal Health Crisis in Three Graphs by Century Foundation

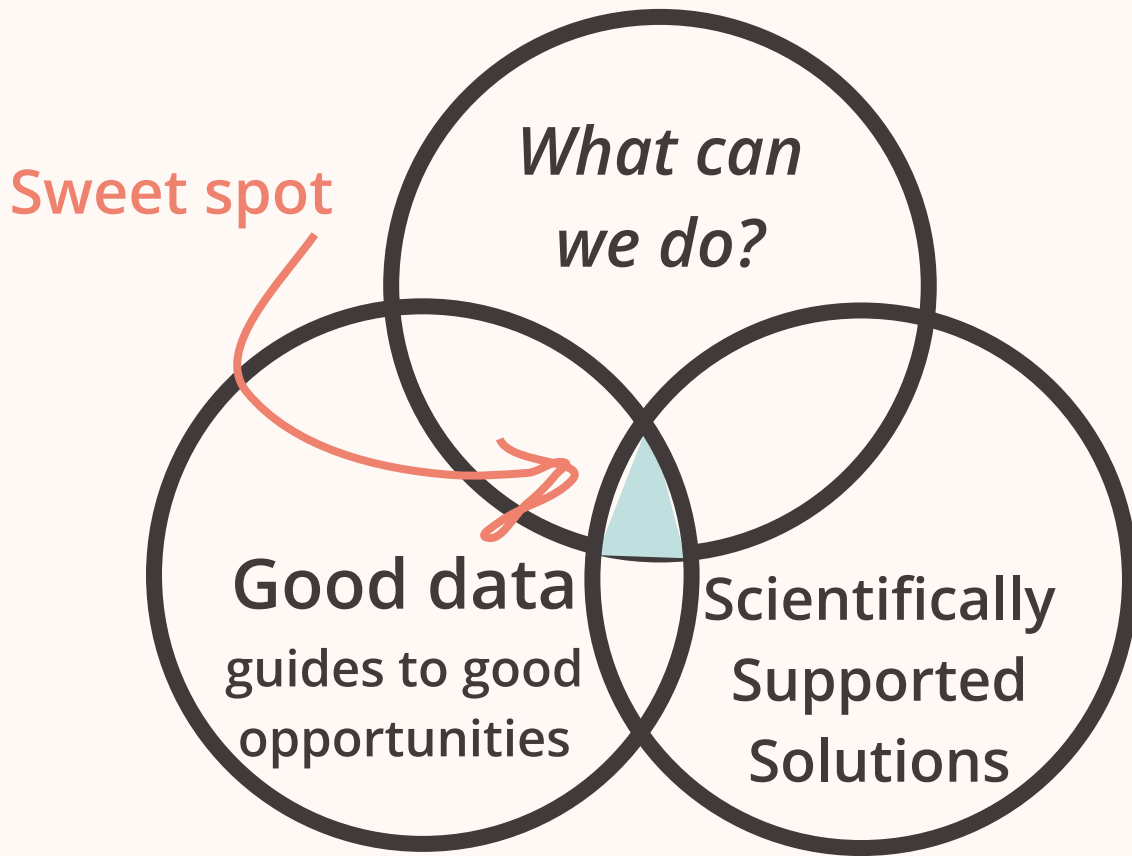


Safe Pregnancies Require Support esp. for those who *need* support





What can we do?



Data Guided Change

1

Define Community

What community
do you serve?

2

What is your primary goal?

What are you
trying to
achieve? Central
Indicator Ex.
reduce
pregnancy-rel
deaths

3

What scientifically supported solutions?

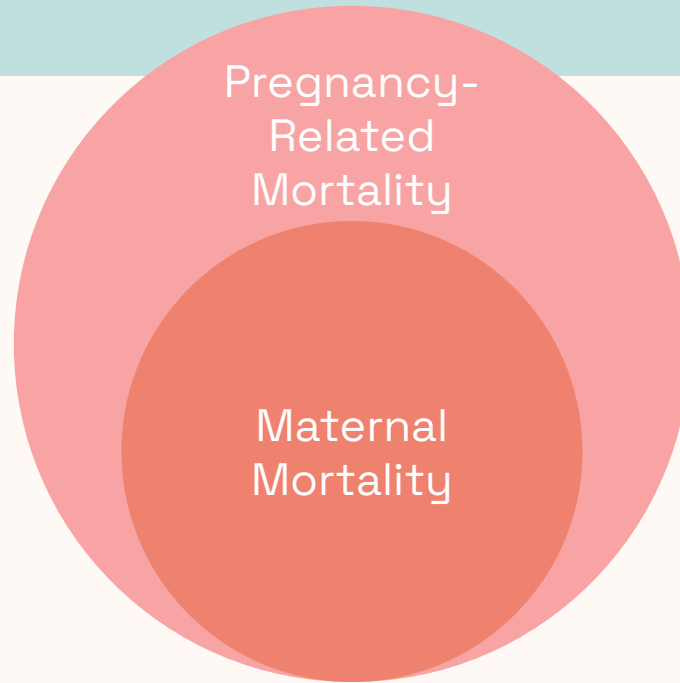
Have studies
shown that
actions can
impact (or not
impact) your
primary goal?

4

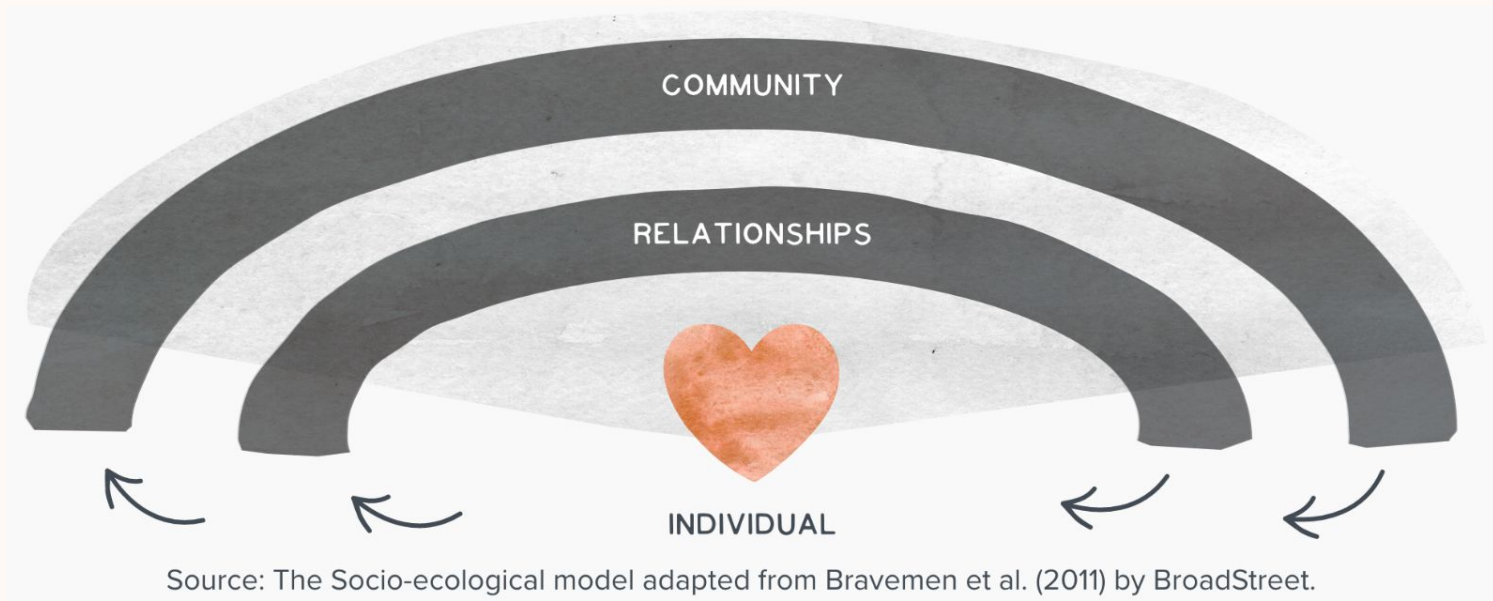
What does your community's data show?

Are there clues in
the data on
where to focus
efforts first?

Find Central Indicator

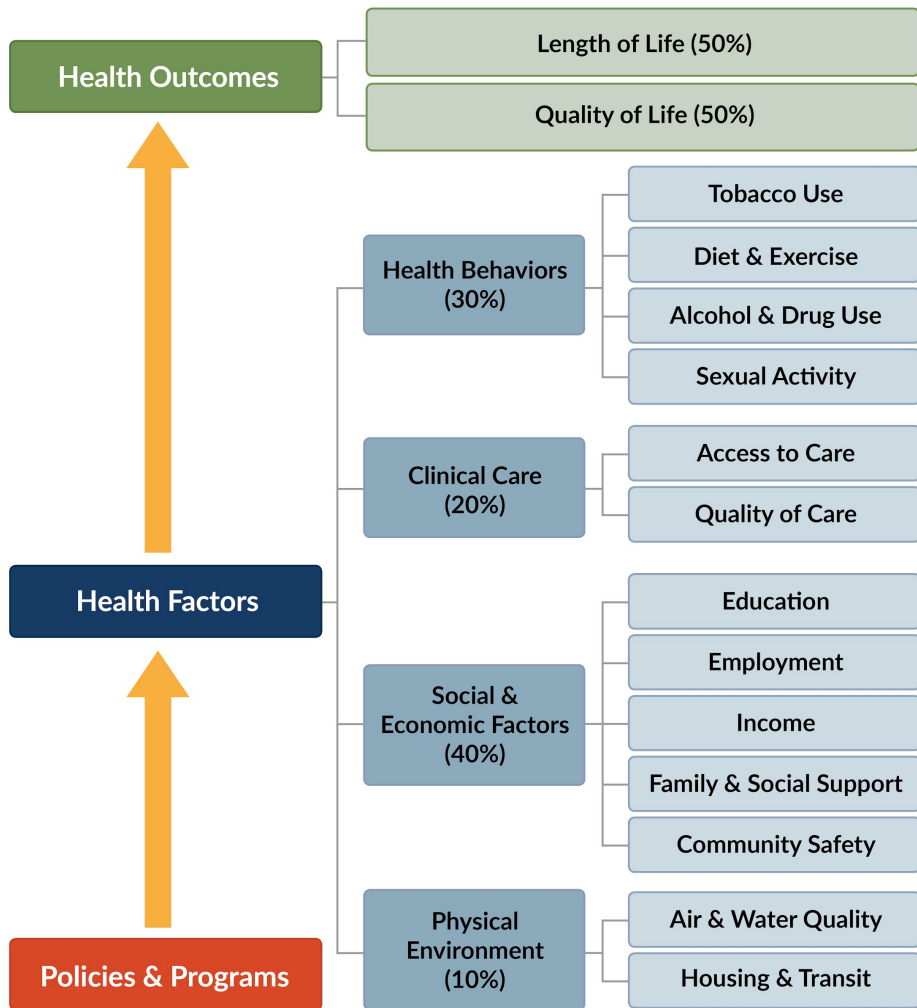


Social Determinants of Health



Framework

County Health Rankings & Roadmaps Model



County Health Rankings model © 2014 UWPHI

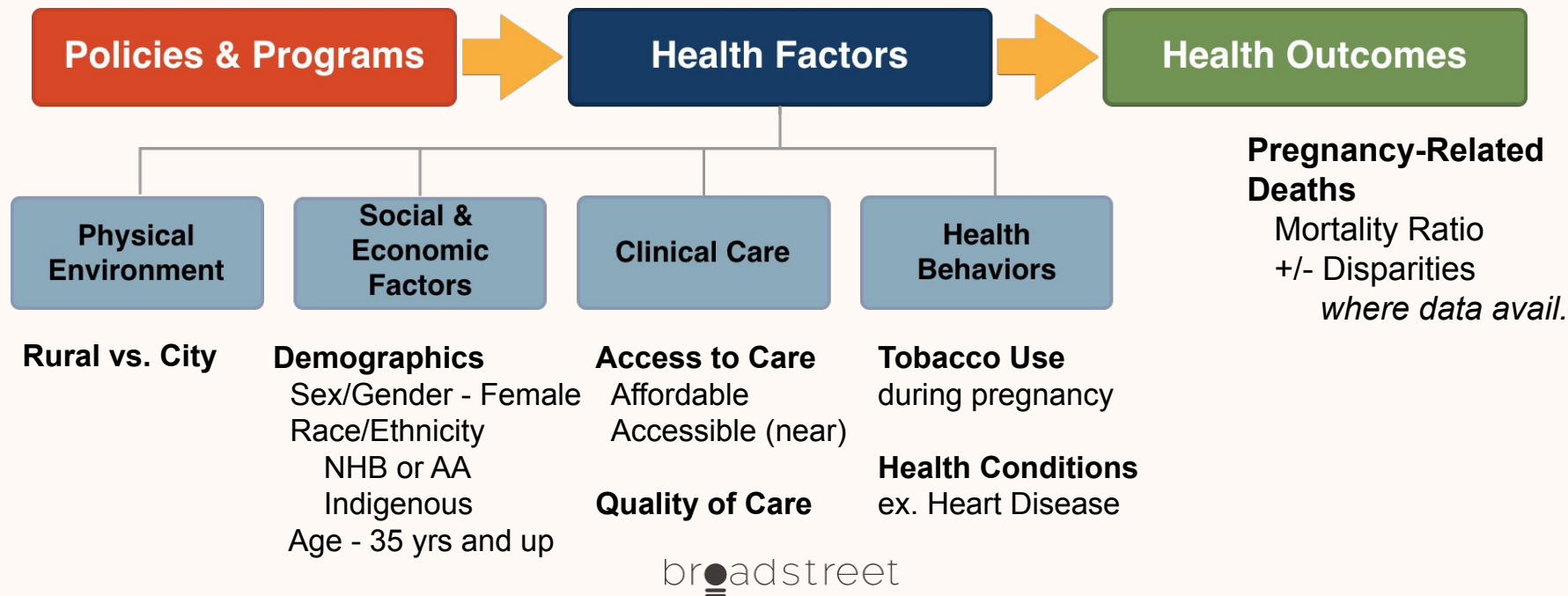
Image credit:

<https://www.countyhealthrankings.org/resources/county-health-rankings-model>

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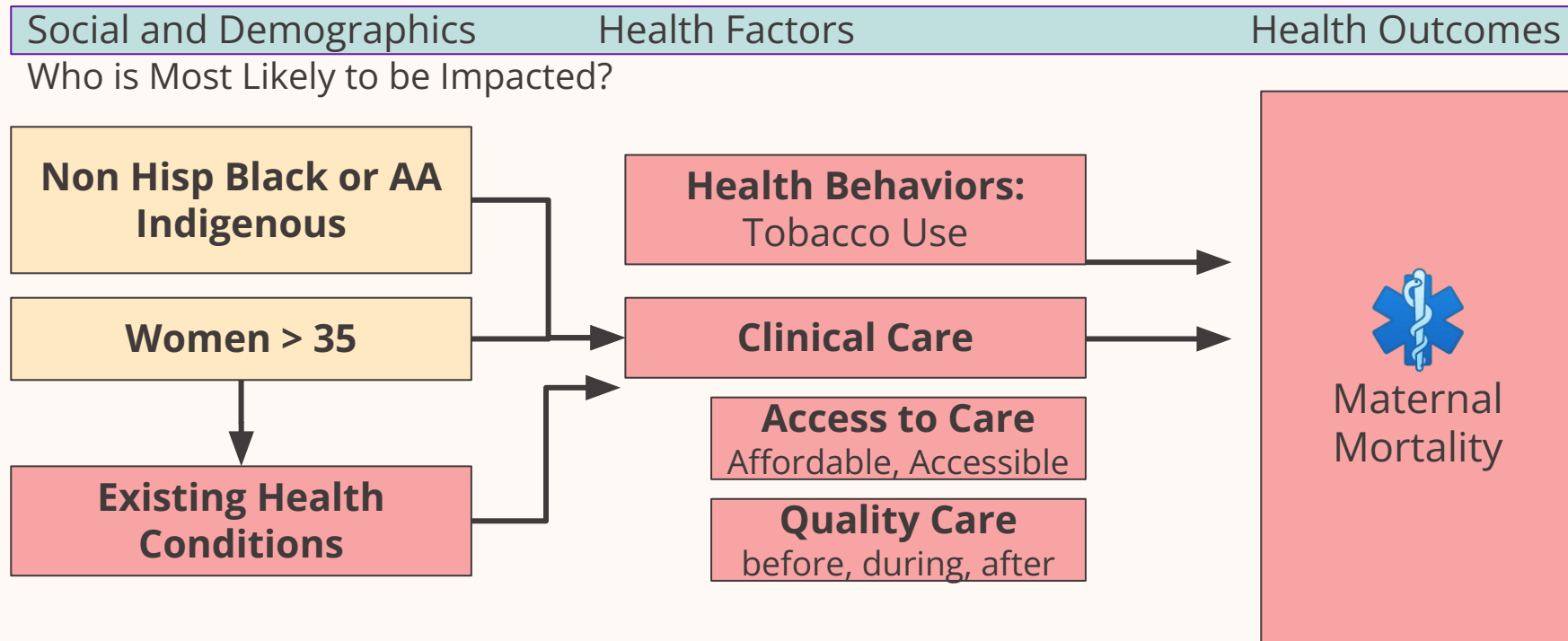
Framework

Preventing Pregnancy-Related Deaths



Finding Scientifically Supported Strategies

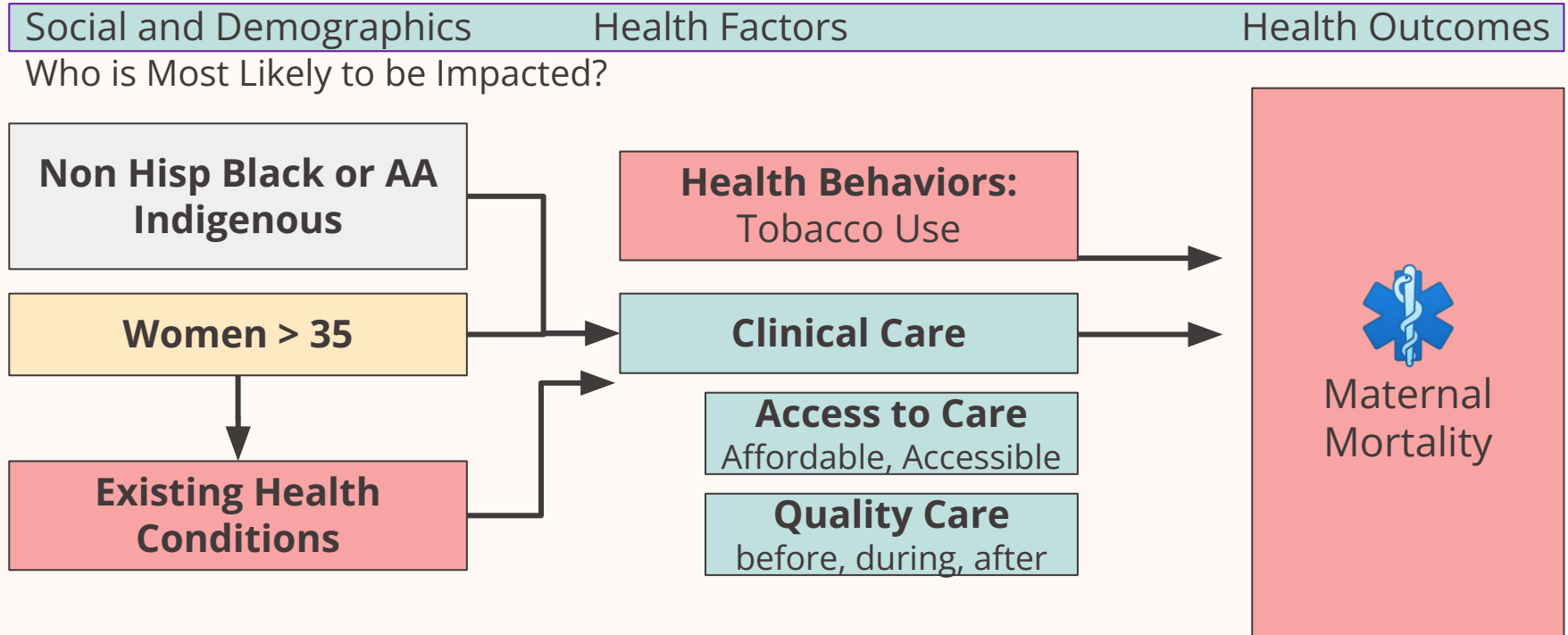
Pregnancy-Related Deaths



Source: Maternal Mortality in the United States: Updates on Trends, Causes, and Solutions

Community Data Example

What can data tell us?



Source: Maternal Mortality in the United States: Updates on Trends, Causes, and Solutions

Let's Start the Challenge!

Handbook for Datathon
Indicator Hunt

References

- Maternal Mortality Rates in the United States, 2021.
- Infographic: Racial/Ethnic Disparities in Pregnancy-Related Deaths — United States, 2007–2016 | CDC
- Maternal Mortality in the United States: Updates on Trends, Causes, and Solutions
- The Worsening U.S. Maternal Health Crisis in Three Graphs by Century Foundation



30 MIN Big BREAK

Feel free to hop off and get a snack, or go back to your team room if you want to work on your project more.

Come back @ 2 PM ET and meet us in the Great Hall!



Pitch Session

Please proceed to
Team Rooms after lunch

Brackets posted
In **Main Room** and
Great Hall

Feedback Room 1 -> Teams 1, 4, 7, 10 and 13
Feedback Room 2 -> Teams 2, 5, 8, 11 and 14

Pitch Session Schedule

TIME	SESSION	Location
12:30 - 12:45 PM ET <i>15 min</i>	<i>Pitch Prep</i>	Team Rooms
12:45 - 1 PM ET <i>15 min</i>	<i>Pitch Round 1</i>	Feedback Rms See Bracket Posted in Main Room & Great Hall
1 - 1:15 PM ET <i>15 min</i>	<i>Pitch Round 2</i>	
1:15- 1:30 PM ET <i>15 min</i>	<i>Pitch Round 3</i>	
1:30 - 2:00 PM ET <i>30 min</i>	<i>Big Break</i>	BRB Room

Afternoon Portfolio Project

Housekeeping

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The Data Portfolio Project

Tracy Flood

July 28, 2023

Data Portfolio Project Group Challenge:

Can we collaboratively create
a website that showcases interactive data?
(without the site crashing 🤪)

Exploring new or new-to-you data tools!
Simple structure - 1 room, 1 site, 1 hr

Afternoon Portfolio Project

Help us get to know you!

IN THE Zoom CHAT, TELL US:

1. Your name
2. Have you ever made a data portfolio to showcase your data skills?
3. Have you ever made a website?

Afternoon Portfolio Project

Help us get to know you!

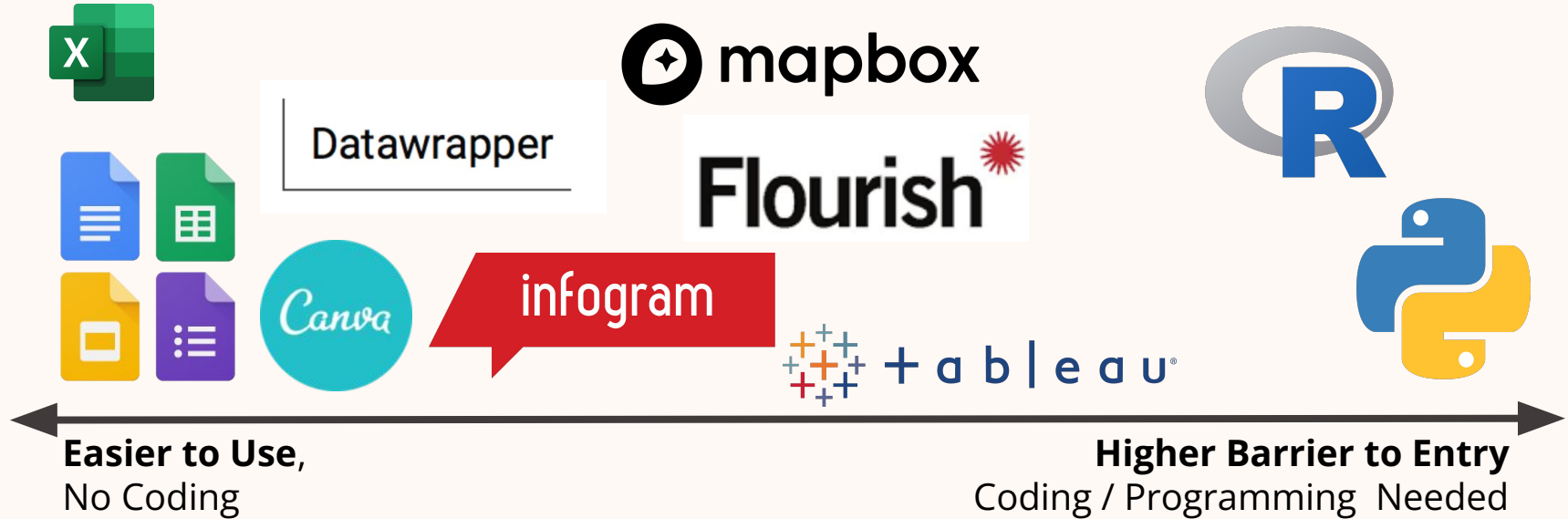
More Questions!

4. Do you know what an iframe is?
5. Do you know what an Embed code is?

IN THE Zoom CHAT, TELL US:

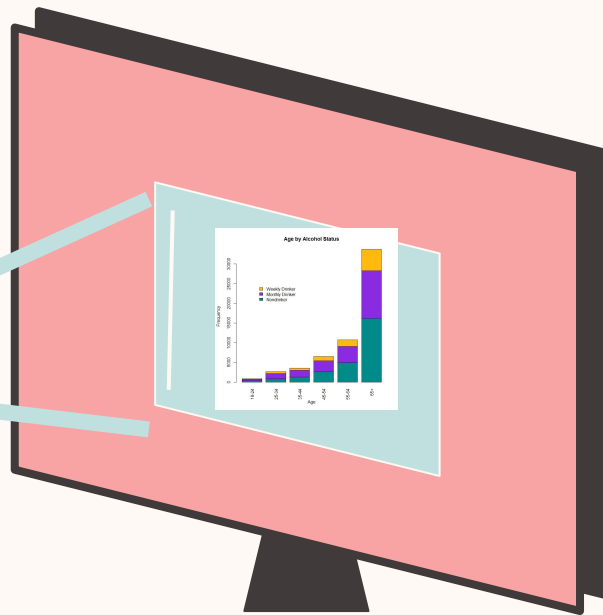
1. Your name
2. Have you ever made a data portfolio to showcase your data skills?
3. Have you ever made a website?

We are in a golden era of FREE & Affordable Data Tools



Adapted from [Better Data Visualizations, a book by Jonathan Schwabish](#) (affiliate link)

**Q: How do you share
INTERACTIVE
Data Tools?**



A: Website
via iframe or embed code



Let's Try it!

Google Site


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Big Break

30 min

Please proceed to
Great Hall after Big Break

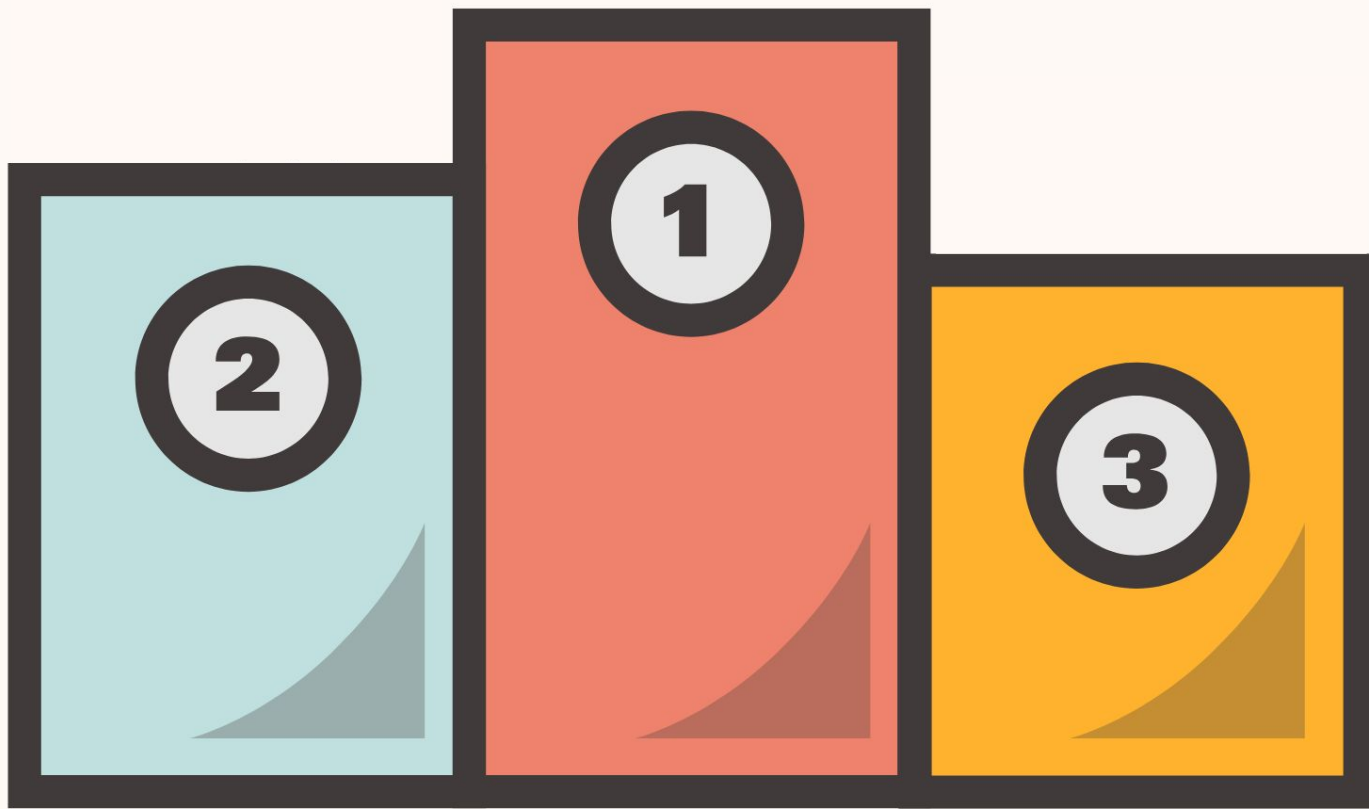


Agenda			
TIME	SESSION	ROOM(s)	
1:30 - 2:30 <i>PM ET</i>	<i>Big BREAK</i>	BRB Room	 You are here
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3:10 - 3:20 <i>PM ET</i>	<i>Closing Ceremony Showcase & Awards</i>	Main Room	
3:20 - 3:30 <i>PM ET</i>	<i>Closing Activity</i>	Main Room	



Winners!

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Team 14

Speaker: Thembi Ndebele
Nadia Malik, Oluwasegun Atolagbe,
Shriya Kalakata

Team 6

Speaker: Lindsey Pietrewicz
Chinaza Aham-Neze, Muniratu Gebi,
Nicole Miller, Uday Sapra

Team 1

Speaker: Stephy Reyes
Chloe Nam, Shreoshe Sushil, Urmi Patel

2

1

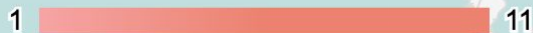
3



Evaluation

Global Participation

75 Participants
14 Teams



Georgia




36200 babies born each year
271 pregnancy-related deaths in 2018-2021

Access to Care 2/3

Quality of Care 1/3

DEMOGRAPHICS



PRMR=Pregnancy-related mortality ratio, deaths per 100,000 live births. CDC & National Center for Health Statistics.

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North Carolina **47**
PRMR




118,719 babies born each year
221 pregnancy-related deaths in 2018-2021

Access to Care 2/3

Quality of Care 1/3

DEMOGRAPHICS



HEALTH



SUPPORT NEEDED

PRMR=Pregnancy-related mortality ratio, deaths per 100,000 live births. CDC & National Center for Health Statistics.

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Arizona **42**
PRMR




118,719 babies born each year
221 pregnancy-related deaths in 2018-2021

Access to Care 2/3

Quality of Care 1/3

DEMOGRAPHICS



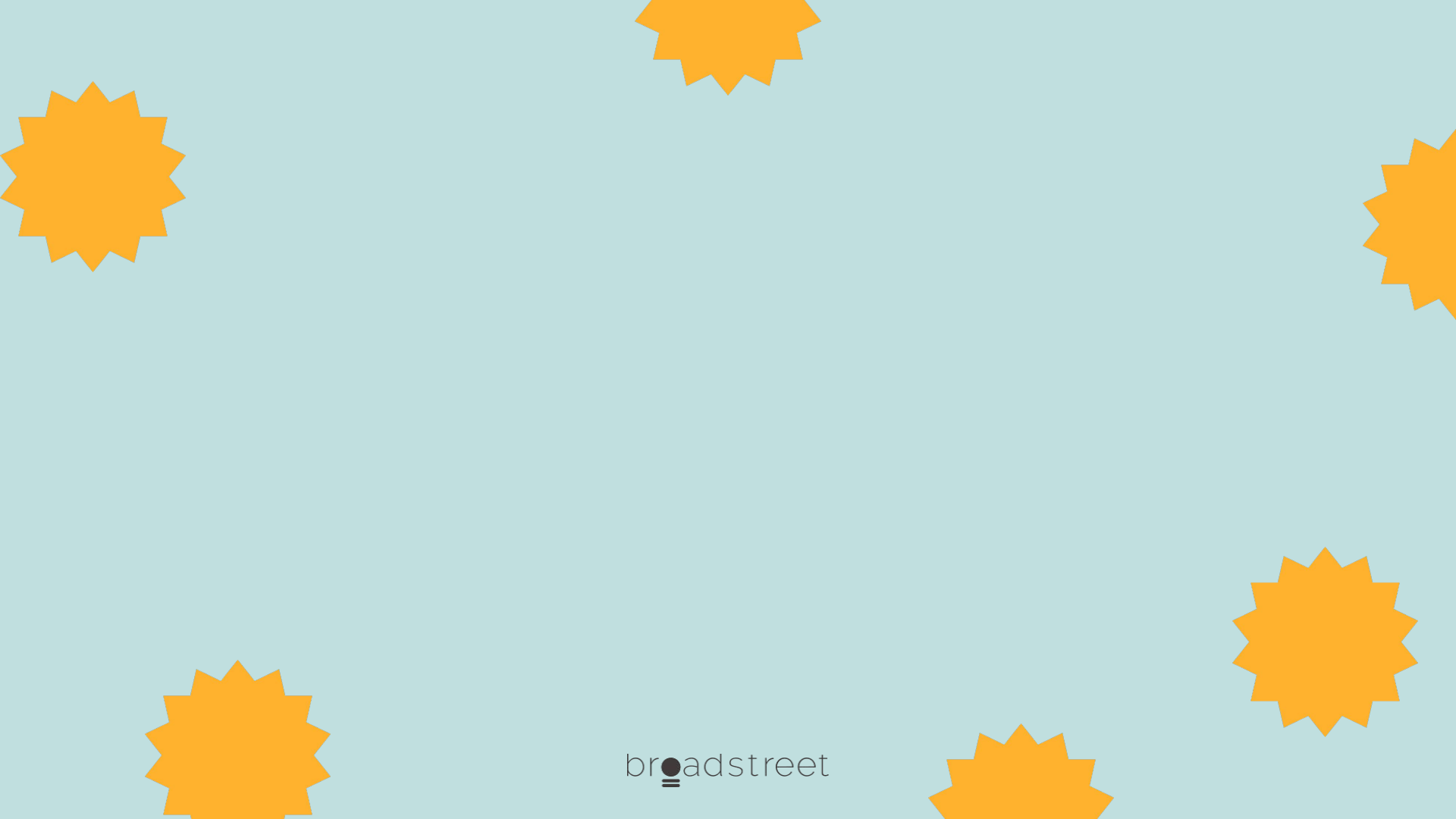
HEALTH



SUPPORT NEEDED

PRMR=Pregnancy-related mortality ratio, deaths per 100,000 live births. CDC & National Center for Health Statistics.

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GREEN BRANCH



Thank you!

